



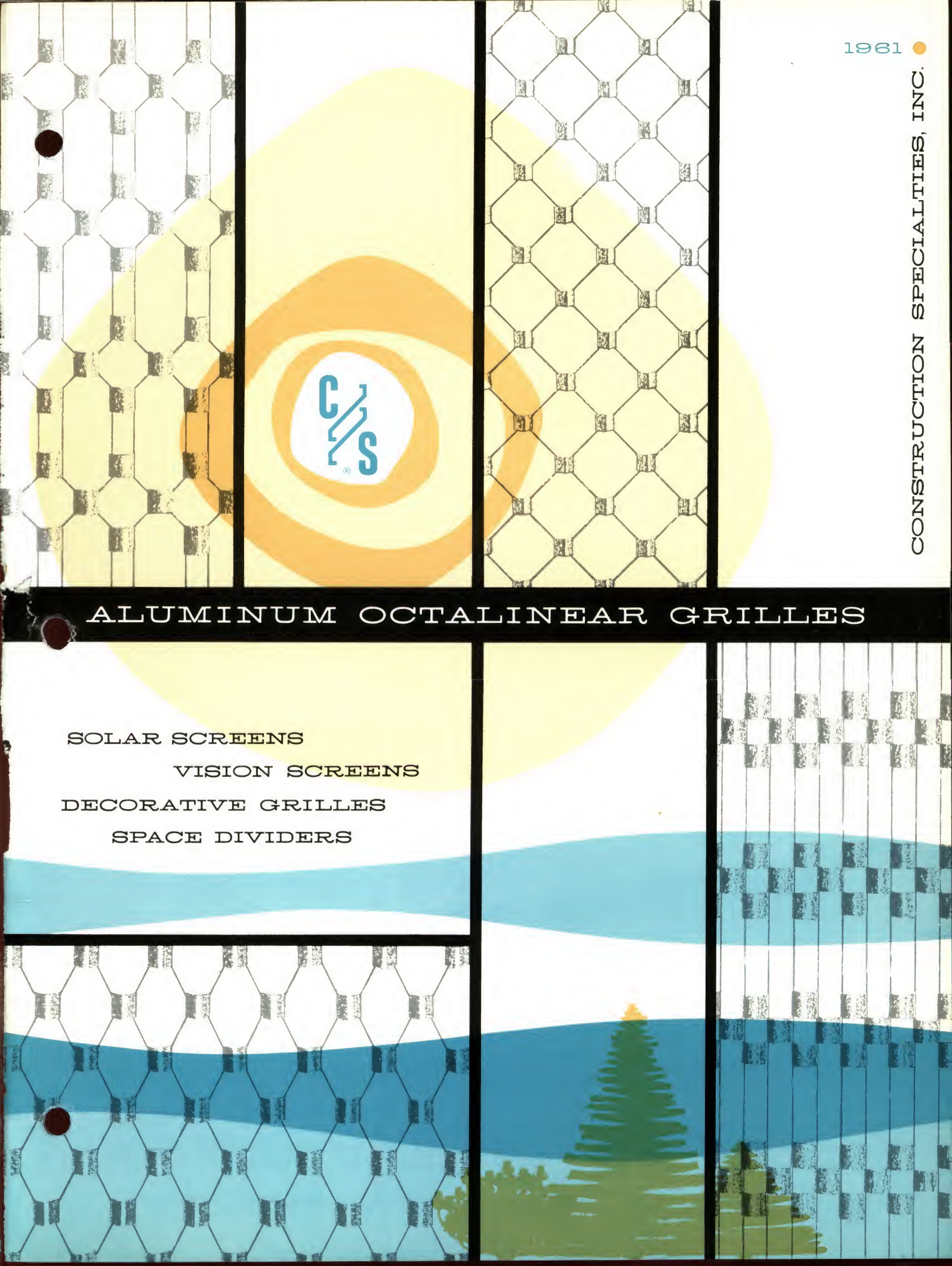
ALUMINUM OCTALINEAR GRILLES

SOLAR SCREENS

VISION SCREENS

DECORATIVE GRILLES

SPACE DIVIDERS





SOLAR AND DECORATIVE GRILLES OF ALUMINUM

Basic Product Uses

- SOLAR SCREENING
- BUILDING REFACINGS
- DECORATIVE GRILLES
- DECORATIVE CEILINGS
- VISION BARRIERS
- CHURCH BELL TOWERS
- COOLING TOWER SCREENS
- SOLAR CANOPIES
- SPACE DIVIDERS
- HIGH FREE AREA AIR INTAKES
- SOLAR FINS
- SIGN & DISPLAY BACKGROUNDS

The C/S Aluminum Octalinear Grille is an entirely new and versatile concept in the field of solar and decorative screening. The unique design provides exciting opportunity for original architectural expression through the infinite variation of pattern design and a wide choice of finishes.

Product Data

Material: All aluminum construction (stainless steel and bronze are available on special inquiry).

Design Flexibility: Variation in size and shape of cell opening from 3" to 18" to allow for module consideration, depth of grille from 1" to 8", cell wall thickness from .040" to .250", cell wall spacer thickness from .064" to .250" in a wide variety of extruded shapes to develop a particular screen texture or motif.

Strength & Rigidity: Strong and rigid cellular construction with unique cell wall spacer design which assures a positive interlocked grille allowing for wide expanse of grille coverage. The area of individual panels is dependent on factors of the cell module selected, gauge of material, depth of the grille, and the availability of supports. Our experienced engineering department will supply structural analysis for a particular application.

Weight: From 1 to 4 pounds per square foot. The light-weight inherent in the C/S grille reduces structural requirements.

Economy: Economically priced to meet budget considerations.

Application: Grille can be set in a variety of positions in relation to building — as a vertical curtain — a canopy — a projecting fin — to fulfill function and aesthetic requirements. Pattern can be rotated 90°. Cell walls can be set perpendicular to the face of the grille or on a 20 or 45 degree slope for increased solar or vision protection.

Finishes: A wide range of "in-plant" applied, guaranteed finishes are available. Mill finish, etch and lacquer or clear anodize can be supplied most economically. Color may be added at a very slight increase in cost by the specification of either vinyl or epoxy Hi-Bake color coatings. A variety of architectural gray and gold anodized finishes are also available. Interesting effects can be obtained through the contrasting finishes of the cell walls and spacers. Write for specific finish specifications and samples.

C/S Architectural Service

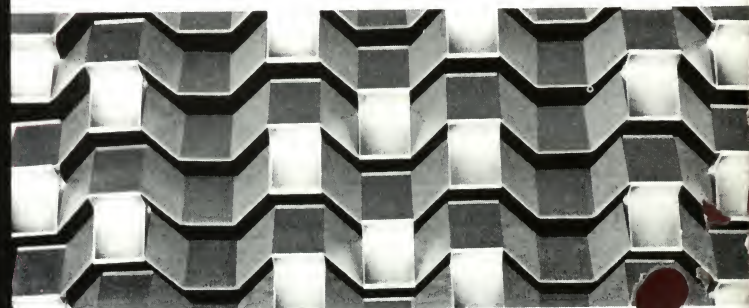
The infinite variety of grille design, the structural considerations, and the problems of economy involved in any screen or grille application require experienced specialized knowledge. C/S maintains a design and engineering staff working exclusively in this field to provide information and assistance to the architect. Product samples and a detailed architect's service file are immediately available through any local representative or on inquiry to our home office.

TYPICAL DESIGNS

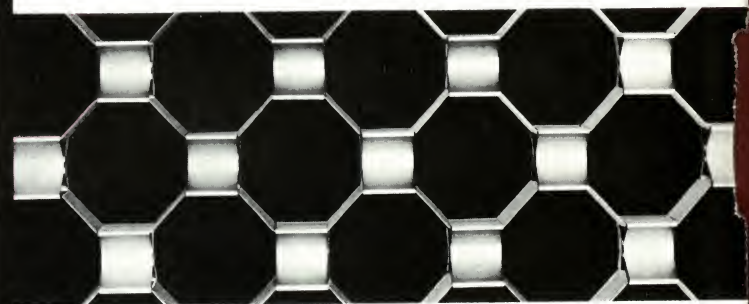
Infinite variations can be developed.



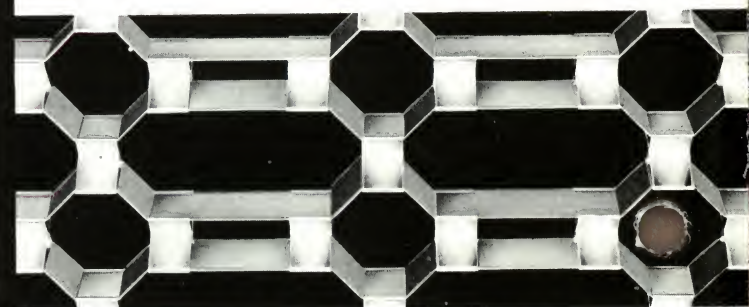
PHOENIX VERTICAL OPENING 3 TO 12 INCHES
HORIZONTAL OPENING 6 TO 18 INCHES
2 TO 8 INCHES DEEP



WAVE VERTICAL OPENING 2 TO 4 INCHES
HORIZONTAL OPENING 6 TO 12 INCHES
2 TO 8 INCHES DEEP

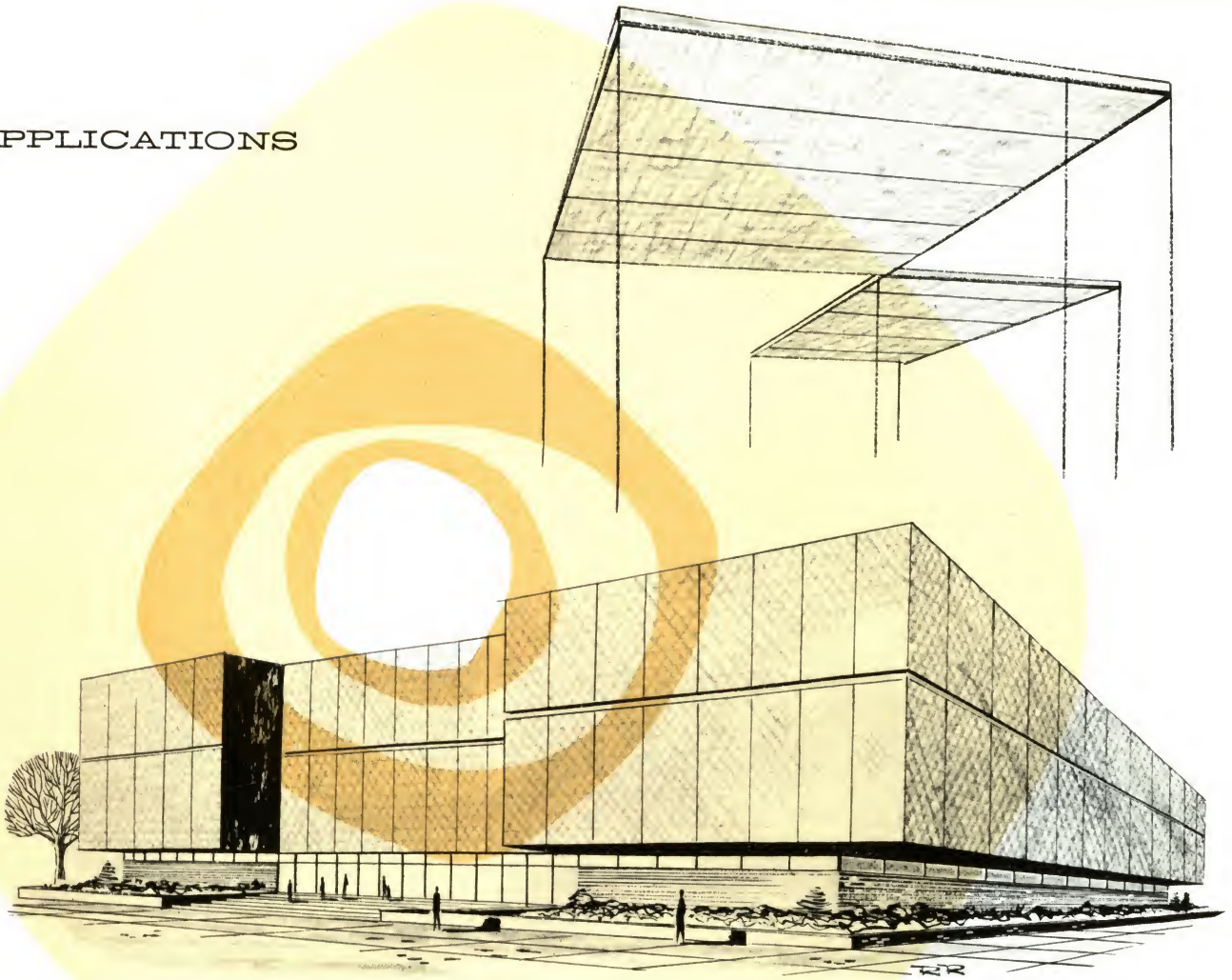


OCTAGON VERTICAL OPENING 3 TO 18 INCHES
HORIZONTAL OPENING 3 TO 18 INCHES
2 TO 8 INCHES DEEP

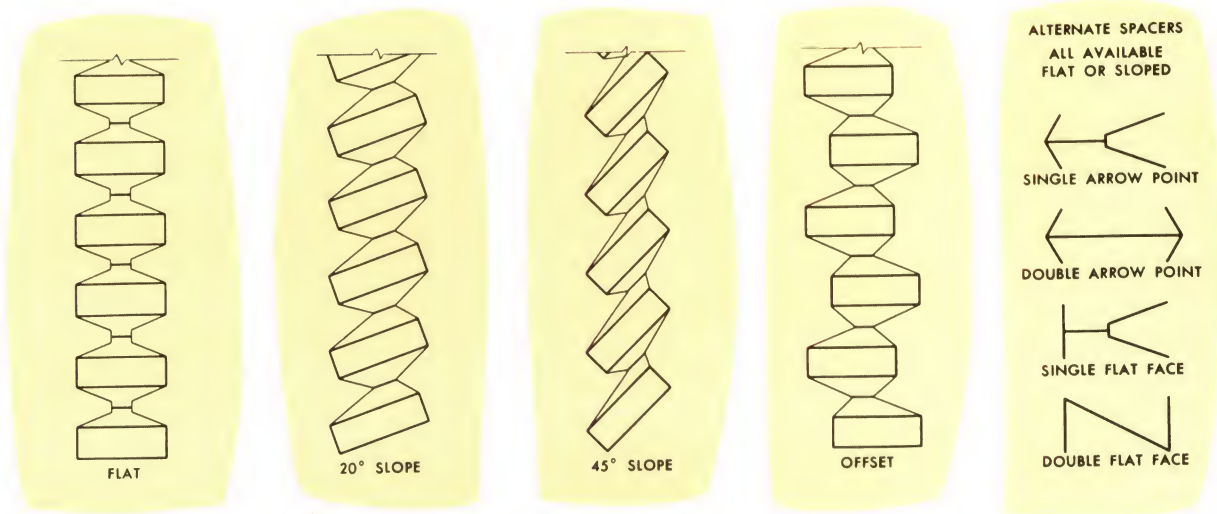


CLUSTER VERTICAL OPENING 3 TO 18 INCHES
HORIZONTAL OPENING 3 TO 18 INCHES
2 TO 8 INCHES DEEP

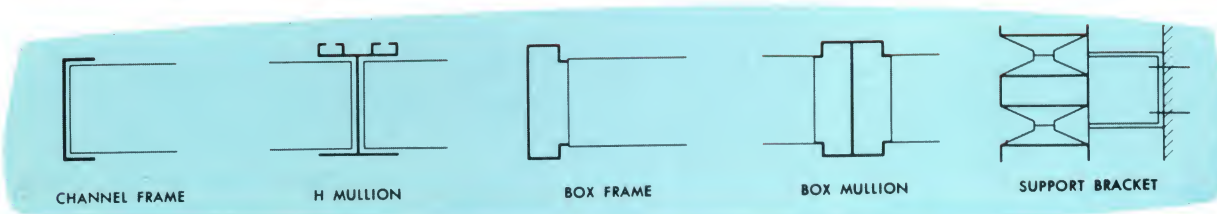
APPLICATIONS



Typical Grille Arrangements



Typical Framing Members



Suggested Specifications

1. General: All Grilles shown on drawings shall be C/S Octalinear Grilles, as manufactured by Construction Specialties, Inc., Cranford, N. J. (For West Coast, use Escondido, California). Other Manufacturers desiring to submit bids on this section of the specifications shall forward the following items for the Architect's approval, at least ten days prior to bid date:

1. Full size drawings indicating grille pattern, depth, weight of materials, construction, and finish.
2. Actual samples of the proposed grille, in the proposed finish, complete with section of the framing assembly.

Bids from manufacturers not pre-qualified as described herein will not be approved by the Architect.

2. Materials: All grille components, framing members, and supports shall be of aluminum and of proper size, shape, and thickness to perform their proper functions. Extruded members shall be 6063 T5 alloy. All other components shall be of alloys as recommended by prime aluminum producers. All miscellaneous hardware such as screws, nuts, bolts, etc., shall be of aluminum or type 302 stainless steel. All anchorage castings shall be of a high strength aluminum alloy. All cell walls shall have a minimum thickness of (.040", .050", .081",

.125" — Architect to select one). All cell wall spacers shall have a minimum thickness of .064".

3. Construction: All connections within the grille shall be accomplished in a neat and permanent manner without use of rivets, screws, pins, or crimping.

4. Finish: Cell walls, cell wall spacers, supports, perimeter framing, and mullions shall each have one of the following specified finishes: (1) Mill, (2) Caustic etch and butyrate lacquer, (3) Clear Anodize (204 R1 or 215 R1), (4) Gold Anodize, (5) Architectural Gray Anodize (2020, 2030, 2140), (6) Vinyl or Epoxy base color coating. (Detailed specifications on finishes available on request). The application of all finishes shall be made in the plant of the grille manufacturer. Certifications shall be supplied as to film thickness, density range, and color analysis for anodic finishes. Painted surfaces shall be certified as to material and baking cycle.

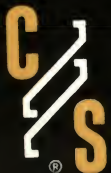
5. Erection: All grille items under this contract shall be installed under direct supervision of the manufacturer. All units shall be set plumb and true, properly aligned, and securely anchored.

CONSTRUCTION SPECIALTIES, INC.

55 Winans Avenue, Cranford, N. J. / BRidge 2-5200
West Grant Street, Escondido, Calif. / SHerwood 5-8000

IN CANADA: **CONSTRUCTION SPECIALTIES, LTD.**

Box 52, Downsview P. O., Toronto, Canada / MEIrose 3-6506



Typical Grille Arrangements



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From the collection of:

Mike Jackson, FAIA

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